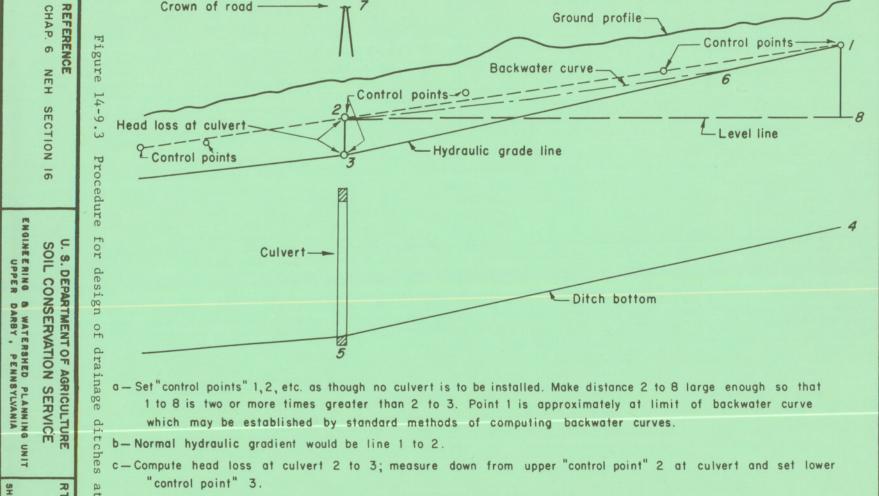


PROCEDURE



d-Draw hydraulic gradient for ditch section above culvert from "control point" at 1 to lower "control point" at 3.

e - Compute ditch section required based on drainage flow and hydraulic grade line 1 to 3 and set ditch bottom 4 to 5.

f — Culvert will cause heading-up along typical backwater curve 2 to 6; generally close to line 1 to 2, provided

g-Check flood flows over crown of road depending on elevation at point 7.

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1 is far enough upstream.